

Codington County, South Dakota
Nontechnical Soil Descriptions

Bc - Brookings Silty Clay Loam

Bc BROOKINGS SILTY CLAY LOAM - The Brookings series consists of deep, well drained and moderately well drained soils formed in loess over glacial till on upland flats and swales. Permeability is moderate in the upper part and moderate or moderately slow in the glacial till. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Bh - Brookings-Hidewood Silty Clay Loams

Bh BROOKINGS-HIDEWOOD SILTY CLAY LOAMS - The Brookings series consists of deep, well drained and moderately well drained soils formed in loess over glacial till on upland flats and swales. Permeability is moderate in the upper part and moderate or moderately slow in the glacial till. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Bh BROOKINGS-HIDEWOOD SILTY CLAY LOAMS - The Hidewood series consists of deep, poorly drained, moderately and moderately slowly permeable soils on uplands. They formed in loess or in local alluvium derived from loess overlying loamy glacial till. This soil has high available water capacity and high organic matter content. Flooding is RARE.

BmD - Buse Loam, 9 To 15 Percent Slopes

BmD BUSE LOAM, 9 TO 15 PERCENT SLOPES - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BmE - Buse Loam, 15 To 35 Percent Slopes

BmE BUSE LOAM, 15 TO 35 PERCENT SLOPES - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Bo - Buse Stony Loam

Bo BUSE STONY LOAM - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BpD - Buse-Poinsett Silt Loams, 9 To 15 Percent Slopes

BpD BUSE-POINSETT SILT LOAMS, 9 TO 15 PERCENT SLOPES - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BpD BUSE-POINSETT SILT LOAMS, 9 TO 15 PERCENT SLOPES - The Poinsett series consists of very deep, well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

BsD - Buse-Sioux Loams, 6 To 15 Percent Slopes

BsD BUSE-SIOUX LOAMS, 6 TO 15 PERCENT SLOPES - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BsD BUSE-SIOUX LOAMS, 6 TO 15 PERCENT SLOPES - The Sioux series consists of excessively drained soils formed in sand and gravel on outwash plains, terraces, and eskers. They are very shallow over gravelly sand. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

Bu - Buse-Sioux Stony Loams

Bu BUSE-SIOUX STONY LOAMS - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Bu BUSE-SIOUX STONY LOAMS - The Sioux series consists of excessively drained soils formed in sand and gravel on outwash plains, terraces, and eskers. They are very shallow over gravelly sand. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

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Non Technical Soil Descriptions--Continued

BvD - Buse-Vienna Loams, 6 To 15 Percent Slopes

BvD BUSE-VIENNA LOAMS, 6 TO 15 PERCENT SLOPES - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

BvD BUSE-VIENNA LOAMS, 6 TO 15 PERCENT SLOPES - The Vienna series consists of very deep, well drained soils formed in silty and loamy material and the underlying loamy glacial till on uplands. These soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Bx - Buse-Barnes-Sioux Stony Loams

Bx BUSE-BARNES-SIOUX STONY LOAMS - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Bx BUSE-BARNES-SIOUX STONY LOAMS - The Barnes series consists of very deep, well drained, moderate or moderately slowly permeable soils that formed in loamy till. These soils are on till plains and moraines. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Bx BUSE-BARNES-SIOUX STONY LOAMS - The Sioux series consists of excessively drained soils formed in sand and gravel on outwash plains, terraces, and eskers. They are very shallow over gravelly sand. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

Cs - Aqueuts, Saline

Cs AQUEUTS, SALINE - Aqueuts, saline consists of very deep, poorly drained and very poorly drained areas with sandy to clayey surface layers and sandy to clayey underlying material on saline lake beds. They are ponded during wet periods but exposed during dry periods. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

EfA - Egeland Fine Sandy Loam, 0 To 3 Percent Slopes

EfA EGELAND FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES - The Egeland series consists of deep, well drained soils formed in glacial outwash sediments. These soils are on terraces and uplands. They have moderately rapid permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

EfB - Egeland Fine Sandy Loam, 3 To 9 Percent Slopes

EfB EGELAND FINE SANDY LOAM, 3 TO 9 PERCENT SLOPES - The Egeland series consists of deep, well drained soils formed in glacial outwash sediments. These soils are on terraces and uplands. They have moderately rapid permeability. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

EsA - Estelline Silt Loam, 0 To 3 Percent Slopes

EsA ESTELLINE SILT LOAM, 0 TO 3 PERCENT SLOPES - The Estelline series consists of deep, well drained soils formed in silty materials overlying sand and gravel on stream terraces and outwash plains. Permeability is moderate in the solum and rapid in the sand and gravel. This soil has high available water capacity and high organic matter content. Flooding is NONE.

EsB - Estelline Silt Loam, 3 To 6 Percent Slopes

EsB ESTELLINE SILT LOAM, 3 TO 6 PERCENT SLOPES - The Estelline series consists of deep, well drained soils formed in silty materials overlying sand and gravel on stream terraces and outwash plains. Permeability is moderate in the solum and rapid in the sand and gravel. This soil has high available water capacity and high organic matter content. Flooding is NONE.

FdA - Fordville Silt Loam, 0 To 3 Percent Slopes

FdA FORDVILLE SILT LOAM, 0 TO 3 PERCENT SLOPES - The Fordville series consists of very deep, well drained soils formed in loamy sediments that are moderately deep over sand and gravel on outwash plains, terraces, and flood plains. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

FdB - Fordville Silt Loam, 3 To 6 Percent Slopes

FdB FORDVILLE SILT LOAM, 3 TO 6 PERCENT SLOPES - The Fordville series consists of very deep, well drained soils formed in loamy sediments that are moderately deep over sand and gravel on outwash plains, terraces, and flood plains. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

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Non Technical Soil Descriptions--Continued

FfA - Fordville-Renshaw Loams, 0 To 3 Percent Slopes

FfA FORDVILLE-RENSHAW LOAMS, 0 TO 3 PERCENT SLOPES - The Fordville series consists of very deep, well drained soils formed in loamy sediments that are moderately deep over sand and gravel on outwash plains, terraces, and flood plains. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

FfA FORDVILLE-RENSHAW LOAMS, 0 TO 3 PERCENT SLOPES - The Renshaw series consists of very deep, somewhat excessively drained soils formed in loamy sediments and the underlying sand and gravel on outwash plains, terraces, and flood plains. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

FfB - Fordville-Renshaw Loams, 3 To 6 Percent Slopes

FfB FORDVILLE-RENSHAW LOAMS, 3 TO 6 PERCENT SLOPES - The Fordville series consists of very deep, well drained soils formed in loamy sediments that are moderately deep over sand and gravel on outwash plains, terraces, and flood plains. Permeability is moderate in the solum and rapid in the underlying sand and gravel. This soil has moderate available water capacity and moderate organic matter content. Flooding is NONE.

FfB FORDVILLE-RENSHAW LOAMS, 3 TO 6 PERCENT SLOPES - The Renshaw series consists of very deep, somewhat excessively drained soils formed in loamy sediments and the underlying sand and gravel on outwash plains, terraces, and flood plains. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

FmB - Forman Cobbly Loam, 3 To 6 Percent Slopes

FmB FORMAN COBBLY LOAM, 3 TO 6 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

FmC - Forman Cobbly Loam, 6 To 9 Percent Slopes

FmC FORMAN COBBLY LOAM, 6 TO 9 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

FnA - Forman Loam, 0 To 3 Percent Slopes

FnA FORMAN LOAM, 0 TO 3 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and high organic matter content. Flooding is NONE.

FnB - Forman Loam, 3 To 6 Percent Slopes

FnB FORMAN LOAM, 3 TO 6 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and high organic matter content. Flooding is NONE.

FnC - Forman Loam, 6 To 9 Percent Slopes

FnC FORMAN LOAM, 6 TO 9 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and high organic matter content. Flooding is NONE.

KrB - Kranzburg Silty Clay Loam, 3 To 6 Percent Slopes

KrB KRANZBURG SILTY CLAY LOAM, 3 TO 6 PERCENT SLOPES - The Kranzburg series consists of very deep, well drained soils formed in silty glacial drift and the underlying glacial till on uplands. Permeability is moderately slow. This soil has high available water capacity and high organic matter content. Flooding is NONE.

La - Lamoure Silty Clay Loam

La LAMOURE SILTY CLAY LOAM - The Lamoure series consists of very deep, somewhat poorly drained or poorly drained soils formed in silty alluvium on flood plains. Permeability is moderate or moderately slow. This soil has high available water capacity and high organic matter content. Flooding is OCCAS.

Codington County, South Dakota
Non Technical Soil Descriptions--Continued

Lc - Lamoure Silty Clay Loam, Channeled

Lc LAMOURE SILTY CLAY LOAM, CHANNELED - The Lamoure series consists of very deep, somewhat poorly drained or poorly drained soils formed in silty alluvium on flood plains. Permeability is moderate or moderately slow. This soil has high available water capacity and high organic matter content. Flooding is FREQ.

Lp - La Prairie Silt Loam

Lp LA PRAIRIE SILT LOAM - The La Prairie series consists of very deep, moderately well drained, moderately permeable soil that formed in loamy alluvium. These soils are on terraces, and bottom lands in stream valleys. This soil has high available water capacity and moderate organic matter content. Flooding is OCCAS.

Ma - Southam Silty Clay Loam

Ma SOUTHAM SILTY CLAY LOAM - The Southam series consists of deep, very poorly drained, slowly permeable soils that formed in local alluvial sediments from glacial drift. These soils are in basins and depressions on glacial till plains, glacial moraines, and glaciolacustrine plains. This soil has high available water capacity and organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

Ms - Southam Silty Clay Loam

Ms SOUTHAM SILTY CLAY LOAM - The Southam series consists of deep, very poorly drained, slowly permeable soils that formed in local alluvial sediments from glacial drift. These soils are in basins and depressions on glacial till plains, glacial moraines, and glaciolacustrine plains. This soil has high available water capacity and organic matter content. Flooding is NONE. Ponding duration is VERY LONG.

Od - Oldham Silty Clay Loam

Od OLDHAM SILTY CLAY LOAM - The Oldham series consists of very deep, poorly drained and very poorly drained soils formed in clayey local alluvium in upland basins and depressions. Permeability is slow or moderately slow. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Op - Oldham And Parnell Silty Clay Loams

Op OLDHAM AND PARNELL SILTY CLAY LOAMS - The Parnell series consists of very deep, very poorly drained and poorly drained soils that formed in clayey water-sorted sediments from glacial drift in depressions, swales and drainageways on glacial moraines. These soils have slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE. Ponding duration is LONG.

Op OLDHAM AND PARNELL SILTY CLAY LOAMS - The Oldham series consists of very deep, poorly drained and very poorly drained soils formed in clayey local alluvium in upland basins and depressions. Permeability is slow or moderately slow. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Ow - Oldham And Parnell Silty Clay Loams, Wet

Ow OLDHAM AND PARNELL SILTY CLAY LOAMS, WET - The Parnell series consists of very deep, very poorly drained and poorly drained soils that formed in clayey water-sorted sediments from glacial drift in depressions, swales and drainageways on glacial moraines. These soils have slow permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE. Ponding duration is LONG.

Ow OLDHAM AND PARNELL SILTY CLAY LOAMS, WET - The Oldham series consists of very deep, poorly drained and very poorly drained soils formed in clayey local alluvium in upland basins and depressions. Permeability is slow or moderately slow. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PmA - Poinsett Loam, 0 To 3 Percent Slopes

PmA POINSETT LOAM, 0 TO 3 PERCENT SLOPES - The Poinsett series consists of very deep, well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PmB - Poinsett Loam, 3 To 7 Percent Slopes

PmB POINSETT LOAM, 3 TO 7 PERCENT SLOPES - The Poinsett series consists of very deep, well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Codington County, South Dakota
Non Technical Soil Descriptions--Continued

PnB - Poinsett Silt Loam, 3 To 6 Percent Slopes

PnB POINSETT SILT LOAM, 3 TO 6 PERCENT SLOPES - The Poinsett series consists of very deep, well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PoC - Poinsett-Buse-Forman Loams, 6 To 9 Percent Slopes

PoC POINSETT-BUSE-FORMAN LOAMS, 6 TO 9 PERCENT SLOPES - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

PoC POINSETT-BUSE-FORMAN LOAMS, 6 TO 9 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PoC POINSETT-BUSE-FORMAN LOAMS, 6 TO 9 PERCENT SLOPES - The Poinsett series consists of very deep, well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PsB - Poinsett-Forman Silt Loams, 3 To 6 Percent Slopes

PsB POINSETT-FORMAN SILT LOAMS, 3 TO 6 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PsB POINSETT-FORMAN SILT LOAMS, 3 TO 6 PERCENT SLOPES - The Poinsett series consists of very deep, well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PwA - Poinsett-Waubay Silty Clay Loams, 0 To 3 Percent Slopes

PwA POINSETT-WAUBAY SILTY CLAY LOAMS, 0 TO 3 PERCENT SLOPES - The Poinsett series consists of very deep, well drained soils formed in silty glacial drift on uplands. Permeability is moderate. This soil has high available water capacity and high organic matter content. Flooding is NONE.

PwA POINSETT-WAUBAY SILTY CLAY LOAMS, 0 TO 3 PERCENT SLOPES - The Waubay series consists of very deep, moderately well drained soils formed in local silty glaciofluvial deposits on flats or footslopes, in slight depressions and in swales. These soils have moderate permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.

Ra - Rauville Silty Clay Loam

Ra RAUVILLE SILTY CLAY LOAM - The Rauville series consists of deep, very poorly drained soils formed in alluvium on flats and bottom lands. Permeability is moderate or moderately slow in the upperpart and moderately rapid in the underlying sand and gravel. This soil has high available water capacity and high organic matter content. Flooding is FREQ.

RsA - Renshaw-Sioux Complex, 0 To 3 Percent Slopes

RsA RENSHAW-SIOUX COMPLEX, 0 TO 3 PERCENT SLOPES - The Sioux series consists of excessively drained soils formed in sand and gravel on outwash plains, terraces, and eskers. They are very shallow over gravelly sand. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

RsA RENSHAW-SIOUX COMPLEX, 0 TO 3 PERCENT SLOPES - The Renshaw series consists of very deep, somewhat excessively drained soils formed in loamy sediments and the underlying sand and gravel on outwash plains, terraces, and flood plains. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

RsB - Renshaw-Sioux Complex, 3 To 6 Percent Slopes

RsB RENSHAW-SIOUX COMPLEX, 3 TO 6 PERCENT SLOPES - The Renshaw series consists of very deep, somewhat excessively drained soils formed in loamy sediments and the underlying sand and gravel on outwash plains, terraces, and flood plains. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

RsB RENSHAW-SIOUX COMPLEX, 3 TO 6 PERCENT SLOPES - The Sioux series consists of excessively drained soils formed in sand and gravel on outwash plains, terraces, and eskers. They are very shallow over gravelly sand. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

Codington County, South Dakota
Non Technical Soil Descriptions--Continued

Ts - Buse-Sioux Complex, 9 To 40 Percent Slopes

Ts BUSE-SIOUX COMPLEX, 9 TO 40 PERCENT SLOPES - The Buse series consists of very deep, well drained soils that formed in loamy glacial till on moraines. These soils have moderate and moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Ts BUSE-SIOUX COMPLEX, 9 TO 40 PERCENT SLOPES - The Sioux series consists of excessively drained soils formed in sand and gravel on outwash plains, terraces, and eskers. They are very shallow over gravelly sand. Permeability is rapid or very rapid. This soil has low available water capacity and moderate organic matter content. Flooding is NONE.

VnA - Vienna Silt Loam, 0 To 3 Percent Slopes

VnA VIENNA SILT LOAM, 0 TO 3 PERCENT SLOPES - The Vienna series consists of very deep, well drained soils formed in silty and loamy material and the underlying loamy glacial till on uplands. These soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

VnB - Vienna Silt Loam, 3 To 6 Percent Slopes

VnB VIENNA SILT LOAM, 3 TO 6 PERCENT SLOPES - The Vienna series consists of very deep, well drained soils formed in silty and loamy material and the underlying loamy glacial till on uplands. These soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

VnC - Vienna Silt Loam, 6 To 9 Percent

VnC VIENNA SILT LOAM, 6 TO 9 PERCENT - The Vienna series consists of very deep, well drained soils formed in silty and loamy material and the underlying loamy glacial till on uplands. These soils have moderately slow permeability. This soil has high available water capacity and moderate organic matter content. Flooding is NONE.

Wa - Waubay Silty Clay Loam

Wa WAUBAY SILTY CLAY LOAM - The Waubay series consists of very deep, moderately well drained soils formed in local silty glaciofluvial deposits on flats or footslopes, in slight depressions and in swales. These soils have moderate permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.

WfA - Waubay-Forman Silty Clay Loams, 0 To 3 Percent Slopes

WfA WAUBAY-FORMAN SILTY CLAY LOAMS, 0 TO 3 PERCENT SLOPES - The Forman series consists of deep, well drained, moderately slowly permeable soils formed in calcareous till. These soils are on till plains. This soil has high available water capacity and high organic matter content. Flooding is NONE.

WfA WAUBAY-FORMAN SILTY CLAY LOAMS, 0 TO 3 PERCENT SLOPES - The Waubay series consists of very deep, moderately well drained soils formed in local silty glaciofluvial deposits on flats or footslopes, in slight depressions and in swales. These soils have moderate permeability. This soil has high available water capacity and high organic matter content. Flooding is NONE.

